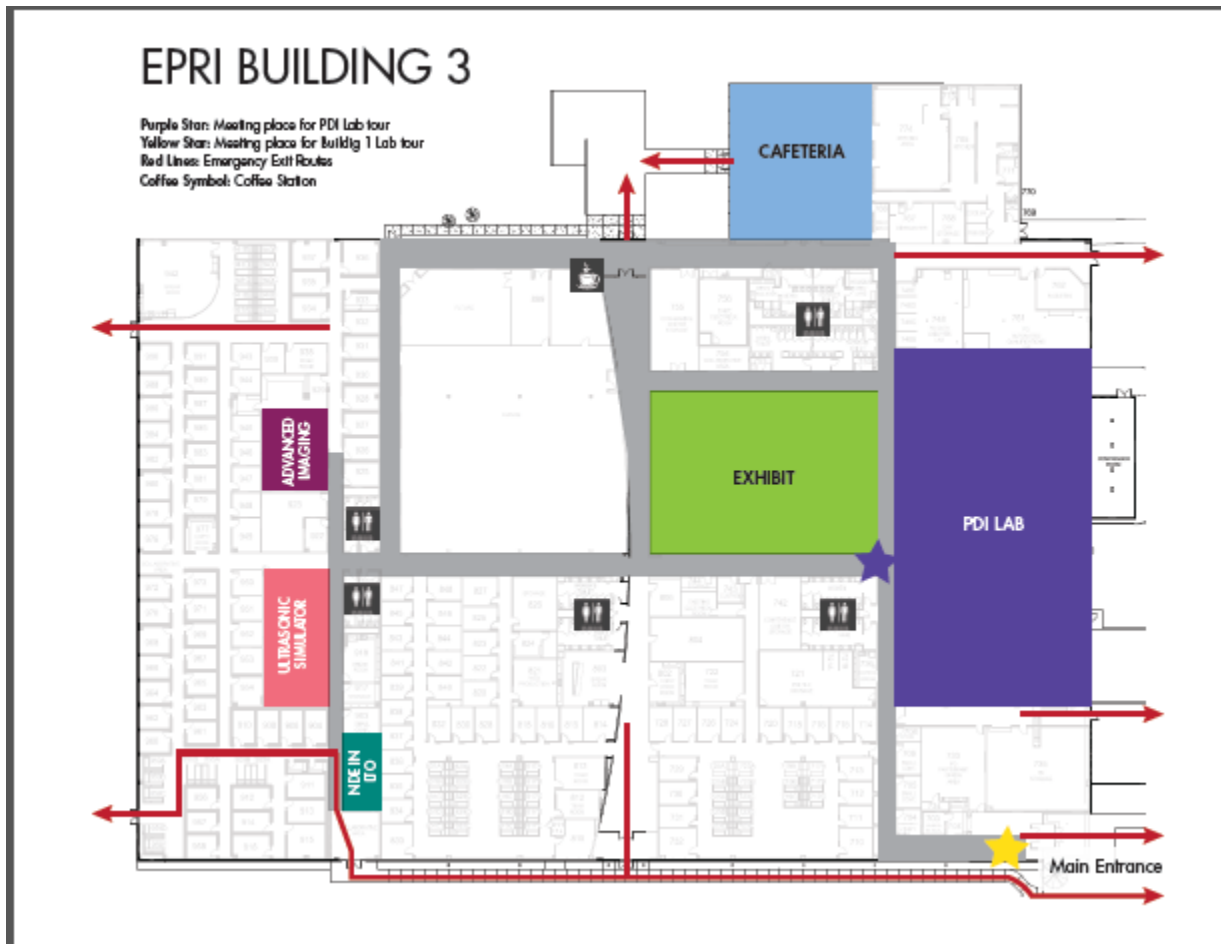


# NONDESTRUCTIVE EVALUATION (NDE) IN NUCLEAR 2019

## NDE in Nuclear 2019 Technology Showcase

WEDNESDAY, JUNE 26, 2019 (CONTINUED)							
1300	EXHIBIT	PDI LAB TOUR	BUILDING 1 LAB	NDE IN LONG-TERM OPERATION (METALLIC MATERIALS)	ADVANCED IMAGING AND FMC/TFM FOR INDUSTRIAL NDE	ULTRASONIC SIMULATOR – INNOVATION IN NDE	
1330							
1400							
1430		PDI LAB TOUR	BUILDING 1 LAB	NDE IN LONG-TERM OPERATION (CONCRETE MATERIALS)	ADVANCED IMAGING AND FMC/TFM FOR INDUSTRIAL NDE	ULTRASONIC SIMULATOR – INNOVATION IN NDE	
1500							
1530							
1600		PDI LAB TOUR	BUILDING 1 LAB	NDE IN LONG-TERM OPERATION (CABLE MATERIALS)	ADVANCED IMAGING AND FMC/TFM FOR INDUSTRIAL NDE	ULTRASONIC SIMULATOR – INNOVATION IN NDE	
1630							
1700							
1730		DINNER AVAILABLE IN THE CAFETERIA					
1800							
1830							
1900							
1915	TRANSPORTATION FROM EPRI TO THE OMNI HOTEL BEGINS. LAST BUS DEPARTS AT 1915.						



**Vendor Exhibit**

**Location:** 3-741

**Time:** 1:00PM – 7:00PM

**Description:** The Vendor Exhibit will include approximately 30 vendors and companies showcasing the newest and innovative technologies related to NDE in the nuclear industry. The exhibit will be open from 1:00pm to 7:00pm for all conference participants.

**Building 1 Lab Tour**

**Location:** Please meet at the Main Entrance to take a bus to Building 1 (see map)

**Sessions:** 3 sessions of 1-hour duration (1:00PM, 2:30PM, 4:00PM) – 30 Participants/session

**Description:** This lab tour will provide participants a quick overview of some areas of research at EPRI. Participants will see the lab facility and equipment EPRI uses for research in the areas of welding technology and repair, cyber security, real-time NDE, etc.

Please note that closed toe shoes will be required to participate in an EPRI lab tour

**PDI Lab Tour**

**Location:** Please meet in front of the PD Lab area in Building 3 (see map)

**Sessions:** 3 sessions of 30-minute duration (1:30PM, 3:00PM, 4:30PM) – 15 Participants/session

**Description:** This lab tour will provide participants a quick overview of EPRI's NDE Performance Demonstration Program and lab facilities.

Please note that closed toe shoes will be required to participate in an EPRI lab tour.

### **NDE for Long Term Operations**

**Location:** 3-902

**Sessions:** 3 sessions of 1-hour duration (1:00PM - Metallic Materials, 2:30PM – Concrete Materials, 4:00PM – Cable Materials) – 15 Participants/session

**Description:** At the Electric Power Research Institute (EPRI), the Long Term Operations (LTO) Program is developing the technical information which is used to base decisions regarding extended nuclear plant life. These research results inform those considering extended operation past 30, 40, or 60 years and beyond, and those considering the long-term impacts of aging. During this session, EPRI will lead discussions on the application of NDE technology and the research to close the gaps identified to support the bases for long-term safe and reliable operation and will focus on three critical materials degradation areas: metallic materials, concrete materials, and cable materials.

### **Advanced Imaging and FMC/TFM for Industrial NDE**

**Location:** 3-924

**Sessions:** 3 sessions of 1-hour duration (1:00PM, 2:30PM, 4:00PM) – 15 Participants/session

**Description:** This tech talk will cover the recent advancements and EPRI's research on the use of Advanced Imaging and Full Matrix Capture as innovative technologies for NDE in the nuclear industry.

### **Ultrasonic Simulator – Innovation in NDE**

**Location:** 3-919

**Sessions:** 3 sessions of 1-hour duration (1:00PM, 2:30PM, 4:00PM) – 30 Participants/session

**Description:** EPRI's Virtual NDE (VNDE) Simulator is a software application that mimics the look and feel of manual ultrasonic scanning. With plastic replicas of pipe specimens and ultrasonic probes, as well as a library containing ultrasonic data for various pipe specimens. VNDE provides the ultrasonic testing community with an alternative method to facilitate practice and training of the NDE workforce